DIAGOSTICS AND RESEARCH CENTRE PVT LTD

PRESENTS

WORKSHOP ON

ADVANCE CELL CULTURE BASED TECHNIQUES

7TH - 9TH,DECEMBER,2017

Genexplore Diagnostics and Research Centre Pvt. Ltd. was established in year of 2013 with a mandate to provide services and infrastructure support to students, faculty and scientist working in life science.

GeneXplore Diagnostic and research centre also provides the solution to researchers of the country. Currently GeneXplore is viewed upon by scientists and clinicians as intellectual oriented company with strong research support and inclined towards identification of novel bio and genomic markers indifferent clinical manifestations.

ABOUT THE WORKSHOP

Research in biological sciences is witnessing a paradigm shift towards interdisciplinary approach; all these sciences require experimental validation on diverse biological models. With growing concerns and limitations on animal models, there is much focus on in vitro cell studies. Cell culture based assays have been quoted in huge number of high impact factor journals, thus establishing its scientific significance. In view of this "concern" at Genexplore Diagnostics and Research centre PVT LTD is dedicated in Human cell culture and genomics, have floated a hands on workshop Advance Cell Culture based Techniques. This workshop will encompass a wide range of techniques like culture based procedures, fluorescence microscopy, Q-PCR, biochemical assays, microarray and NGS.

This workshop aims to impart basic hands-on training in cell culture assays to Ph.D students and faculties. The workshop comprises of 75% practical and 25% theory, which includes lectures on cell culture based application that will give a clear understanding of the principles and methodology of cell structure.

WORKSHOP HIGHLIGHTS

- Introduction to animal cell culture laboratory and basics of cell culture. Students will learn about Thawing, sub-culture and Cyro-presevation of cell line.
- Hands on training on performing Cytotoxicity and Apoptosis Assay.
- Students will learn to perform Gene Expression Analysis by real time PCR.
- Demonstration on Micro array and NGS.

REGISTRATION

- Faculties and Ph.D students : 10,000/-
- There are limited seats only, So all registrations are on first come first served basis.
- For registration visit the site : www.genexplore.co.in. OR
  Email : research@genexplore.co.in
- Last date of registration is November 25, 2017.
- Mode of payment : Cash/ Multi-city cheque/ Demand Draft
  Online Payment.
- Account Name: GeneXplore Diagnostics and Research Centre Pvt. Ltd.
- Bank : Bank Of Baroda, Naranpura Branch
- A/c No. : 07950200000846 A/c Type : Current
- IFSC code: BARBONARANP Payable at: Ahmedabad

SCHEDULE

DAY 1 THURSDAY, DECEMBER 7, 2017

TIME	SESSION
09.00 am to 10.00 am	Registration and Inauguration.
10.00 am to 11.00 am	Lecture : Basics to cell culture techniques and aseptic conditions.
11.00 am to 11.15 am	Tea/Coffee Break
11.15 am to 01.30 pm	Practical : Handling animal cell culture apparatus and Cell line handling. Trypsinization, cell counting and seeding. Subculture and maintenance of cell lines.
01.30 pm to 02.30 pm	Lunch Break.
02.30 pm to 03.00 pm	Practical : Cryopreservation of cell lines.
03.00 pm to 04.30 pm	Practical : Demonstration Of Microarray.
04.30 pm to 04.45 pm	Tea/Coffee Break.
04.45 pm to 05.45 pm	Practical : Drug dilutions, preparation of stock and working concentrations.
05.45 pm to 06.00 pm	Assessment : Cell culture basics.

DAY 2 FRIDAY, DECEMBER 8, 2017

TIME	SESSION
09.00 am to 10.00 am	Lecture : Introduction to Gene Expression.
10.00 am to 11.15 am	Practical : Microscopy and morphological studies. Drug treatment to cells. Apoptosis assay by cell staining techniques.

11.15 am to 11.30 am	Tea/Coffee Break.
11.30 am to 02.00 pm	Practical : Sample Preparation for RNA Isolation. RNA Isolation and Quantification.
02.00 pm to 02.45 pm	Lunch Break.
02.45 pm to 03.30 pm	Practical : cDNA Synthesis.
03.30 pm to 04.30 pm	Lecture : Analysis of Gene Expression.
04.30 pm to 04.45 pm	Tea/Coffee Break.
05.00 pm to 06.00 pm	Practical : Real Time PCR setup.
06.00 pm to 06.30 pm	Assessment : Cell culture basics.

DAY 3 SATURDAY, DECEMBER 9, 2017

TIME	SESSION
09.00 am to 10.30 am	Practical : MTT cell proliferation Assay.
10.30 am to 10.45 am	Tea/Coffee Break.
10.45 am to 01.15 am	Practical : Cytotoxicity Assay Panel.
01.15 am to 02.15 pm	Lunch Break.
02.15 pm to 03.15 pm	Practical : Demonstration Of NGS.
03.15 pm to 04.15 pm	Project discussion.
04.15 pm to 04.30 pm	Tea/Coffee Break.
04.30 pm to 05.30 pm	Training feedback, Certifications and valedictory.

Kindly e-mail registration details to: research@genexplore.co.in
For any query call Parmiti Nanda : 07069595085